A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C25D15/00 H01F ĤOĨŔ13/03 C25D7/00 According to international Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) C25D H01R IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X DATABASE WPI 1-5,8, Section Ch, Week 199921 14-19 Derwent Publications Ltd., London, GB; Class LO3, AN 1998-205933 XP002219395 & SE 510 043 C (ABB RES LTD), 12 April 1999 (1999-04-12) A 9,13,20 abstract WO 98 23444 A (LEARONAL INC) X 1-3,6-84 June 1998 (1998-06-04) 16,17,19 page 12, line 3-7 page 13, line 1 -page 14, line 7 Α 11,13,20 page 24, paragraph 1 X Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: T later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 6 November 2003 14/11/2003 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Zech, N Fax: (+31-70) 340-3016

Catagante	Citation of degrament with Indication where appropriate of the relevant passages	Relevant to claim No.
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	neievan to dann no.
Х	US 4 652 349 A (BEHRINGER GEORG ET AL) 24 March 1987 (1987-03-24) column 1, line 7-13	1-3,6, 16-19
A	examples	11
X	US 6 360 437 B1 (ITOH SHIGENORI ET AL) 26 March 2002 (2002-03-26)	1,2,4-8, 11,12, 14-16, 18,19
A	claims 1,7-10,12	13,20
n	column 6, line 4-12	13,20
X	US 5 853 557 A (MOLVAR ALLEN E ET AL) 29 December 1998 (1998-12-29)	1,3,6-9, 11,13, 17,19,20
	abstract column 11, line 1-28 claims 1,9-11,13,14	
X	US 5 967 860 A (RICKETTS MARK ET AL) 19 October 1999 (1999-10-19)	1,3,6,7, 9,11,12, 17,19
Α	column 3, line 53-65 column 6, line 19-22,32,33 column 2, line 36-51	13,20
X	US 5 028 492 A (GUENIN BRUCE M) 2 July 1991 (1991-07-02) cited in the application column 3, line 53-62 column 5, line 1-22,41-60 column 5, line 67 -column 6, line 19	1,3,6,8, 9,11,12, 17,19
X A	US 3 672 970 A (TOMASZEWSKI THADDEUS W) 27 June 1972 (1972-06-27)	14,15, 17,18 1,3-6,8, 9,12,13, 20
	column 1, line 10-41 column 2, line 44-67 column 4, line 45-58,64-71 column 5, line 22-33	20
X A	US 3 756 925 A (OKAMOTO Y ET AL) 4 September 1973 (1973-09-04)	17 1,3, 6-10,13,
	column 3, line 43-72 column 4, line 14-16,62 examples claims 1,7	20



Internal Application No PCT/EP 03/06034

		PCT/EP 03/06034
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
ategory *	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	EP 0 630 993 A (SUMITOMO METAL IND) 28 December 1994 (1994-12-28)	17 1,3,6, 9-11,13,
	page 3, line 57 -page 4, line 24 page 6, column 3-6 page 10, line 36 claim 7	20
A	DE 197 02 366 A (TOYODA GOSEI KK) 7 August 1997 (1997-08-07) abstract column 1, paragraph 2 column 5, line 42-58	1-6, 13-18,20
A	US 6 319 308 B1 (MCCOMAS EDWARD) 20 November 2001 (2001-11-20)	1,3-8, 13-15, 17,18,20
	column 1, paragraph 1 column 2, paragraphs 4,6 column 3, line 19-23 column 4, line 10-14 example 1	17,10,20
A	DE 43 41 537 A (FORD WERKE AG) 9 June 1994 (1994-06-09) abstract figure 111	1,13,14, 16-18,20
Α	EP 0 285 931 A (NIPPON STEEL CORP) 12 October 1988 (1988-10-12) figure 8 claims 1,2 page P, paragraph 1	1,13,14, 16-18,20

INTERNATIONAL SEARCH REPORT

Intern Application No
PCT/EP 03/06034

SE 9602233 A 07-12-1997 MO 9823444 A 04-06-1998 WO 9823444 A1 04-06-1998 US 4652349 A 24-03-1987 DE 3665886 D1 02-11-1989							PCI/EP	03/06034
SE 9602233 A 07-12-1997 MO 9823444 A 04-06-1998 WO 9823444 A1 04-06-1998 US 4652349 A 24-03-1987 DE 3665886 D1 02-11-1989								
US 6360437 B1 26-03-2002 NONE US 6360437 B1 26-03-2002 NONE US 5853557 A 29-12-1998 US 5667659 A 12-05-1999 P1	SE 51	0043	С	12-04-1999				12-04-1999 07-12-1997
EP 0195995 A1 01-10-1986 JP 61227196 A 09-10-1986 US 6360437 B1 26-03-2002 NONE US 5853557 A 29-12-1998 US 5667659 A 16-09-1997 EP 0914691 A1 12-05-1999 JP 2000508379 T 04-07-2000 KR 2000005262 A 25-01-2000 W0 9738469 A1 16-10-1997 US 5967860 A 19-10-1999 NONE US 5028492 A 02-07-1991 AU 7571491 A 10-10-1991 W0 9113754 A1 19-09-1991 US 3672970 A 27-06-1972 NONE US 3756925 A 04-09-1973 JP 49020459 B 24-05-1974 EP 0630993 A 28-12-1994 DE 69400509 D1 17-10-1996 EP 0630993 A1 28-12-1994 EP 0630993 A1 28-12-1994 EP 0630993 A1 11-01-1995 EP 063329 A1 11-01-1995 EP 063329 A1 11-01-1995 EP 063329 A1 11-01-1995 EP 0630993 A1 28-12-1994 EP 0630993 A1 28-12-1994 EP 0630993 A1 10-01-1995 EP 0630993 A	WO 98	23444	Α	04-06-1998	WO	982344	4 A1	04-06-1998
JP 61227196 A 09-10-1986 US 6360437 B1 26-03-2002 NONE US 5853557 A 29-12-1998 US 5667659 A 16-09-1997 EP 0914691 A1 12-05-1999 JP 2000508379 T 04-07-2000 KR 2000005262 A 25-01-2000 WO 9738469 A1 16-10-1997 US 5967860 A 19-10-1999 NONE US 5028492 A 02-07-1991 AU 7571491 A 10-10-1991 WO 9113754 A1 19-09-1991 US 5141702 A 25-08-1992 US 3672970 A 27-06-1972 NONE US 3756925 A 04-09-1973 JP 49020459 B 24-05-1974 EP 0630993 A 28-12-1994 DE 69400509 D1 17-10-1996 EP 0630993 A 28-12-1994 DE 69400509 T2 10-04-1997 EP 063329 A1 11-01-1995 JP 0630993 A1 28-12-1994 EP 063329 A1 11-01-1995 JP 3358297 B2 16-12-2002 JP 7070795 A 14-03-1995 JP 3358297 B2 16-12-2002 JP 7070796 A 14-03-1995 KR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 9262996 A 05-08-1997 JP 9263989 A 07-10-1997 JP 9263989 A 07-10-1997 JP 10098289 A 13-01-1999 JP 10098289 A 13-01-1999 US 5865976 A 02-02-1999 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 US 6319308 B1 20-11-2001 CA 2102999 A1 08-06-1994 US 5514422 A 07-05-1996	US 46	 52349	<u></u> -	24-03-1987	DE	366588	6 D1	02-11-1989
US 6360437 B1 26-03-2002 NONE US 5853557 A 29-12-1998 US 5667659 A 16-09-1997 EP 0914691 A1 12-05-1999 JP 2000508379 T 04-07-2000 KR 2000005262 A 25-01-2000 WO 9738469 A1 16-10-1997 US 5967860 A 19-10-1999 NONE US 5028492 A 02-07-1991 AU 7571491 A 10-10-1991 WO 9113754 A1 19-09-1991 US 3672970 A 27-06-1972 NONE US 3672970 A 27-06-1972 NONE US 3756925 A 04-09-1973 JP 49020459 B 24-05-1974 EP 0630993 A 28-12-1994 DE 69400509 D1 17-10-1996 EP 0630993 A 28-12-1994 DE 69400509 D1 17-10-1996 EP 0630993 A 28-12-1994 DE 69400509 D1 17-10-1996 EP 0630993 A1 28-12-1994 EP 063329 A1 11-01-1995 JP 7070795 A 14-03-1995 JP 7070795 A 14-03-1995 JP 7070795 A 14-03-1995 JP 7070796 A 14-03-1995 KR 16607 B1 15-01-1999 KR 16607 B1 01-05-1999 KR 16607 B1 01-05-1999 JP 7070794 A 14-03-1995 JP 9202996 A 08-04-1997 JP 9202996 A 08-08-1997 JP 10109289 A 03-08-1997 JP 10109289 A 13-01-1999 JP 10199690 A 28-07-1998 JP 10199690 A 28-07-1999 JP 10199690 A 28-07-1999 JP 10199690 A 28-07-1999 JP 10008289 A 13-01-1999 JP 10008289 A 13-01-1999 JP 10199690 A 28-07-1999 JP 10008289 A 13-01-1999 JP 10199690 A 28-07-1999 JP 10199690 A 28-07-1999 JP 10199690 A 28-07-1999 JP 10199690 A 28-07-1999 JP 10008289 A 13-01-1999 JP 100082828 A 13-01-1999 JP 100082828 A 13-01-1999 JP 100082828 A 13-01								01-10-1986
US 5853557 A 29-12-1998 US 5667659 A 16-09-1997				. د د د د د د د د د د د د د د د د د د د	JP	6122719	6 A	09-10-1986
EP 0914691 A1 12-05-1999 JP 2000508379 T 04-07-2000 KR 2000005262 A 25-01-2000 W0 9738469 A1 16-10-1997 US 5967860 A 19-10-1999 NONE US 5028492 A 02-07-1991 AU 7571491 A 19-09-1991 US 5141702 A 25-08-1992 US 3672970 A 27-06-1972 NONE US 3756925 A 04-09-1973 JP 49020459 B 24-05-1974 EP 0630993 A 28-12-1994 DE 69400509 D1 17-10-1996 EP 0630993 A1 28-12-1994 EP 0630993 A1 28-12-1994 EP 0630993 A1 10-01-1995 EP 19702366 A1 08-04-1997 EP 10008289 A 07-10-1997 EP 10008289 A 07-10-1997 EP 10008289 A 07-10-1997 EP 1009560 A 08-07-1996 EP 1352108 A1 15-10-2002 EP 1352108 A1 10-01-1996 EP 063099 EP 06309	US 63	60437	B1	26-03-2002	NONE		رس دیا سا ش ساوی در الله	
JP 2000508379 T 04-07-2000 KR 2000005262 A 25-01-2000 WO 9738469 A1 16-10-1997 US 5967860 A 19-10-1999 NONE US 5967860 A 19-10-1999 NONE US 5028492 A 02-07-1991 AU 7571491 A 10-10-1991 US 5141702 A 25-08-1992 US 3672970 A 27-06-1972 NONE US 3756925 A 04-09-1973 JP 49020459 B 24-05-1974 EP 0630993 A1 28-12-1994 DE 69400509 T2 10-04-1997 EP 0630993 A1 28-12-1994 EP 0633329 A1 11-01-1995 JP 7070795 A 14-03-1995 JP 3388297 B2 16-12-2002 JP 7070796 A 14-03-1995 KR 166607 B1 15-01-1999 KR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 KR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 9202996 A 05-08-1997 JP 9202996 A 05-08-1997 JP 9202996 A 05-08-1997 JP 10008289 A 13-01-1998 DE 19702366 A1 07-08-1997 US 5865976 A 02-02-1998 US 5865976 A 02-02-	US 58	53557	Α	29-12-1998				16-09-1997
KR 2000005262 A 25-01-2000 WO 9738469 A1 16-10-1997 US 5967860 A 19-10-1999 NONE US 5028492 A 02-07-1991 AU 7571491 A 10-10-1991 WO 9113754 A1 19-09-1991 US 5141702 A 25-08-1992 US 3672970 A 27-06-1972 NONE US 3756925 A 04-09-1973 JP 49020459 B 24-05-1974 EP 0630993 A1 28-12-1994 DE 69400509 D1 17-10-1996 EP 06303329 A1 11-01-1995 JP 7070796 A 14-03-1995 JP 7070796 A 14-03-1995 JP 7070796 A 14-03-1995 KR 16607 B1 15-01-1999 KR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 7070796 A 14-03-1995 KR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 7070796 A 14-03-1995 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 US 5618634 A 08-04-1997 JP 7070796 A 14-03-1995 US 5618634 A 08-04-1997 JP 10098289 A 13-01-1999 JP 10098289 A 13-01-1999 US 5865976 A 02-02-1999 US 586								
W0 9738469 A1 16-10-1997 US 5967860 A 19-10-1999 NONE US 5028492 A 02-D7-1991 AU 7571491 A 10-10-1991 W0 9113754 A1 19-09-1991 US 5141702 A 25-08-1992 US 3672970 A 27-06-1972 NONE US 3756925 A 04-09-1973 JP 49020459 B 24-05-1974 EP 0630993 A 28-12-1994 DE 69400509 D1 17-10-1996 EP 0630993 A1 28-12-1994 EP 0630329 A1 11-01-1995 JP 7070795 A 14-03-1995 JP 7070796 A 14-03-1995 KR 166607 B1 15-01-1999 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 KR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 9263989 A 07-10-1997 JP 9263989 A 07-10-1999 JP 10195690 A 28-07-1998 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 US 6319308 B1 20-10-2001 CA 2432100 A1 04-07-2002 US 5514422 A 07-05-1996								
US 5967860 A 19-10-1999 NONE US 5028492 A 02-07-1991 AU 7571491 A 10-10-1991 WO 9113754 A1 19-09-1992 US 5141702 A 25-08-1992 US 3672970 A 27-06-1972 NONE US 3756925 A 04-09-1973 JP 49020459 B 24-05-1974 DE 69400509 T2 10-04-1997 EP 0630993 A1 28-12-1994 PP 063329 A1 11-01-1995 JP 7070795 A 14-03-1995 JP 7070795 A 14-03-1995 JP 7070796 A 14-03-1995 KR 166607 B1 15-01-1999 KR 166607 B1 15-01-1999 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 KR 166607 B1 16-01-2001 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 US 5618634 A 08-04-1997 JP 9263989 A 07-10-1999 JP 10098289 A 13-01-01-1999 JP 10098289 A 13-01-1998 JP 10195690 A 28-07-1998 US 5865976 A 02-02-1999 US 5865976 A 03-06-1994 US 5814422 A 07-05-1996 US 581								16-10-1997
US 5028492 A 02-07-1991 AU 7571491 A 10-10-1991 WO 9113754 A1 19-09-1991 US 5141702 A 25-08-1992 US 3672970 A 27-06-1972 NONE US 3756925 A 04-09-1973 JP 49020459 B 24-05-1974 EP 0630993 A 28-12-1994 DE 69400509 T2 10-04-1997 EP 0630993 A1 28-12-1994 EP 0633329 A1 11-01-1995 JP 7070795 A 14-03-1995 JP 3358297 B2 16-12-2002 JP 7070796 A 14-03-1995 KR 166607 B1 15-01-1999 KR 166607 B1 15-01-1999 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 CR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 9202996 A 08-08-1997 JP 9202996 A 05-08-1997 JP 9202996 A 05-08-1997 JP 10008289 A 13-01-1998 JP 10195690 A 28-07-1998 DE 19702366 A1 07-08-1997 US 5865976 A 02-02-1999 US 5865976 A 02-02-1999 US 5865976 A 02-02-1998 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 DE 4341537 A1 09-06-1994 GB 2273109 A ,B 08-06-1994 US 5514422 A 07-05-1996 US 5514422 A 07-05-1996	 IIS 59	67860		19-10-1999				
W0 9113754 A1 19-09-1991 US 3672970 A 27-06-1972 NONE US 3756925 A 04-09-1973 JP 49020459 B 24-05-1974 EP 0630993 A 28-12-1994 DE 69400509 D1 17-10-1996 DE 69400509 T2 10-04-1997 EP 0630993 A1 28-12-1994 EP 0633993 A1 28-12-1994 EP 0633993 A1 11-01-1995 JP 7070795 A 14-03-1995 JP 7070796 A 14-03-1995 KR 166607 B1 15-01-1999 KR 166607 B1 01-05-1999 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 JP 9202996 A 05-08-1997 JP 9263989 A 07-10-1997 JP 10098289 A 13-01-1998 JP 10098289 A 13-01-1998 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 W0 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A ,B 08-06-1994 JP 6235057 A 23-08-1996						7E7140	 1 A	10 10 -1001
US 5141702 A 25-08-1992 US 3672970 A 27-06-1972 NONE US 3756925 A 04-09-1973 JP 49020459 B 24-05-1974 EP 0630993 A 28-12-1994 DE 69400509 D1 17-10-1996	US 50	28492	A	02-0/~1991				
US 3672970 A 27-06-1972 NONE US 3756925 A 04-09-1973 JP 49020459 B 24-05-1974 EP 0630993 A 28-12-1994 DE 69400509 D1 17-10-1996								
US 3756925 A 04-09-1973 JP 49020459 B 24-05-1974 EP 0630993 A 28-12-1994 DE 69400509 D1 17-10-1996		72070		27_06_1072				
EP 0630993 A 28-12-1994 DE 69400509 D1 17-10-1996						4000045		04 DE 1074
DE 69400509 T2 10-04-1997 EP 0630993 A1 28-12-1994 EP 0633093 A1 128-12-1994 EP 0633093 A1 11-01-1995 JP 7070795 A 14-03-1995 JP 3358297 B2 16-12-2002 JP 7070796 A 14-03-1995 KR 166607 B1 15-01-1999 KR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 DE 19702366 A 07-08-1997 JP 3282478 B2 13-05-2002 JP 9263989 A 07-10-1997 JP 9263989 A 07-10-1997 JP 10008289 A 13-01-1998 JP 10195690 A 28-07-1998 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A ,B 08-06-1994 JP 6235057 A 23-08-1996 US 5514422 A 07-05-1996			Α	م د د د د د د د د د د د د د د د د د د د				
EP 0630993 A1 28-12-1994 EP 0633329 A1 11-01-1995 JP 7070795 A 14-03-1995 JP 3358297 B2 16-12-2002 JP 7070796 A 14-03-1995 KR 166607 B1 15-01-1999 KR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 DE 19702366 A 07-08-1997 JP 3282478 B2 13-05-2002 JP 9202996 A 05-08-1997 JP 9202996 A 05-08-1997 JP 9263989 A 07-10-1997 JP 10008289 A 13-01-1998 JP 10195690 A 28-07-1998 DE 19702366 A1 07-08-1999 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 JP 6235057 A 23-08-1996 US 5514422 A 07-05-1996	EP 06	30993	Α	28-12-1994				17-10-1996
DE 19702366 A 07-08-1997 JP 3282478 B2 13-05-2002 JP 7070794 A 14-03-1995 KR 166607 B1 15-01-1999 KR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 DE 19702366 A 07-08-1997 JP 3282478 B2 13-05-2002 JP 9202996 A 05-08-1997 JP 9202996 A 05-08-1997 JP 10008289 A 07-10-1997 JP 10008289 A 13-01-1998 JP 10195690 A 28-07-1998 DE 19702366 A1 07-08-1997 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A ,B 08-06-1994 JP 6235057 A 23-08-1994 US 5514422 A 07-05-1996								
DE 19702366 A 07-08-1997 JP 3282478 B2 13-05-2002 JP 7070794 A 14-03-1995 KR 166607 B1 15-01-1999 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 DE 19702366 A 07-08-1997 JP 3282478 B2 13-05-2002 JP 9202996 A 05-08-1997 JP 9202996 A 05-08-1997 JP 10008289 A 07-10-1997 JP 10195690 A 28-07-1998 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A ,B 08-06-1994 US 5514422 A 07-05-1996								
JP 3358297 B2 16-12-2002 JP 7070796 A 14-03-1995 KR 166607 B1 15-01-1999 KR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 DE 19702366 A 07-08-1997 JP 3282478 B2 13-05-2002 JP 9202996 A 05-08-1997 JP 9203989 A 07-10-1997 JP 10008289 A 13-01-1998 JP 10195690 A 28-07-1998 DE 19702366 A1 07-08-1997 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A ,B 08-06-1994 US 5514422 A 07-05-1996								
JP 7070796 A 14-03-1995 KR 166607 B1 15-01-1999 KR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 DE 19702366 A 07-08-1997 JP 3282478 B2 13-05-2002 JP 9263989 A 05-08-1997 JP 9263989 A 07-10-1997 JP 10008289 A 13-01-1998 JP 10195690 A 28-07-1998 DE 19702366 A1 07-08-1997 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A ,B 08-06-1994 US 5514422 A 07-05-1996								
KR 166607 B1 15-01-1999 KR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 DE 19702366 A 07-08-1997 JP 3282478 B2 13-05-2002 JP 9202996 A 05-08-1997 JP 9263989 A 07-10-1997 JP 10008289 A 13-01-1998 JP 10195690 A 28-07-1998 DE 19702366 A1 07-08-1997 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A ,B 08-06-1994 US 5514422 A 07-05-1996								
KR 167050 B1 01-05-1999 US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 DE 19702366 A 07-08-1997 JP 3282478 B2 13-05-2002 JP 9202996 A 05-08-1997 JP 9263989 A 07-10-1997 JP 10008289 A 13-01-1998 JP 10195690 A 28-07-1998 DE 19702366 A1 07-08-1997 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A ,B 08-06-1994 US 5514422 A 07-05-1996								
US 5618634 A 08-04-1997 JP 7070794 A 14-03-1995 DE 19702366 A 07-08-1997 JP 3282478 B2 13-05-2002 JP 9202996 A 05-08-1997 JP 9263989 A 07-10-1997 JP 10008289 A 13-01-1998 JP 10195690 A 28-07-1998 DE 19702366 A1 07-08-1997 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 210299 A1 08-06-1994 GB 2273109 A B 08-06-1994 US 5514422 A 07-05-1996								
DE 19702366 A 07-08-1997 JP 3282478 B2 13-05-2002								08-04-1997
JP 9202996 A 05-08-1997								14-03-1995
JP 9263989 A 07-10-1997 JP 10008289 A 13-01-1998 JP 10195690 A 28-07-1998 DE 19702366 A1 07-08-1997 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A ,B 08-06-1994 JP 6235057 A 23-08-1994 US 5514422 A 07-05-1996	DE 19	702366	A	07-08-1997				13-05-2002
JP 10008289 A 13-01-1998 JP 10195690 A 28-07-1998 DE 19702366 A1 07-08-1997 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 DE 4341537 A1 09-06-1994 GB 2273109 A ,B 08-06-1994 JP 6235057 A 23-08-1994 US 5514422 A 07-05-1996								
DE 19702366 A1 07-08-1997 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A ,B 08-06-1994 JP 6235057 A 23-08-1994 US 5514422 A 07-05-1996								
DE 19702366 A1 07-08-1997 US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A ,B 08-06-1994 JP 6235057 A 23-08-1994 US 5514422 A 07-05-1996								
US 5865976 A 02-02-1999 US 6319308 B1 20-11-2001 CA 2432100 A1 04-07-2002 EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A B 08-06-1994 GB 2273109 A B 08-06-1994 US 5514422 A 07-05-1996								
EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A ,B 08-06-1994 JP 6235057 A 23-08-1994 US 5514422 A 07-05-1996								02-02-1999
EP 1352108 A1 15-10-2003 WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 GB 2273109 A ,B 08-06-1994 JP 6235057 A 23-08-1994 US 5514422 A 07-05-1996	US 63	319308	B1	20-11-2001	CA	243210	00 A1	04-07-2002
WO 02052063 A1 04-07-2002 DE 4341537 A 09-06-1994 CA 2102999 A1 08-06-1994 DE 4341537 A1 09-06-1994 GB 2273109 A ,B 08-06-1994 JP 6235057 A 23-08-1994 US 5514422 A 07-05-1996						135210	18 A1	15-10-2003
DE 4341537 A1 09-06-1994 GB 2273109 A ,B 08-06-1994 JP 6235057 A 23-08-1994 US 5514422 A 07-05-1996						0205206	3 A1	04-07-2002
GB 2273109 A ,B 08-06-1994 JP 6235057 A 23-08-1994 US 5514422 A 07-05-1996	DE 43	341537	Α	09-06-1994				08-06-1994
JP 6235057 A 23-08-1996 US 5514422 A 07-05-1996								
US 5514422 A 07-05-1996								
المراجع ا								23-08-1994 07-05-1996
	EP 03	285031		12-10-1988	JP			13-07-1989
								_

INTEGRATIONAL SEARCH REPORT Internation on patent family members

Internal Application No
PCT/EP 03/06034

				1
Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 0285931 A		JP	2036443 C	28-03-1996
		JP	7065218 B	12-07-1995
		JP	1191797 A	01-08-1989
		JP	6099836 B	07-12-1994
		JP	1191798 A	01-08-1989
		JP	1215997 A	29-08-1989
		JP	2628331 B2	09-07-1997
		JP	1215998 A	29-08-1989
		JP	2631683 B2	16-07-1997
		JP	1630597 C	26-12-1991
		JP	2051996 B	09-11-1990
		JP	63243295 A	11-10-1988
		JP	1039398 A	09-02-1989
		JP	2707085 B2	28-01-1998
		JP	1039399 A	09-02-1989
		JP	2562607 B2	11-12-1996
		JP	1055397 A	02-03-1989
		JP	2107472 C	06-11-1996
		JP	8009796 B	31-01-1996
		JP	1055398 A	02-03-1989
		JP	6035673 B	11-05-1994
		JP	1079393 A	24-03-1989
		JP	1079382 A	24-03-1989
		JP	7088584 B	27-09-1995
		JP	1162794 A	27-06-1989
		JP	1162795 A	27-06-1989
		JP	7015153 B	22-02-1995
		AU	597163 B2	24-05-1990
		AU	1389788 A	20-10-1988
		CA	1336698 C	15-08-1995
		CA	1336699 C	15-08-1995
		CA	1336700 C	15-08-1995
		CA	1337054 C	19-09-1995
		DE	3882769 D1	09-09-1993
		DE	3882769 T2	11-11-1993
		EP	0285931 A1	12-10-1988
		KR	9102186 B1	06-04-1991
		บร บร	4897317 A 4877494 A	30-01-1990
		US	40//454 K	31-10-1989